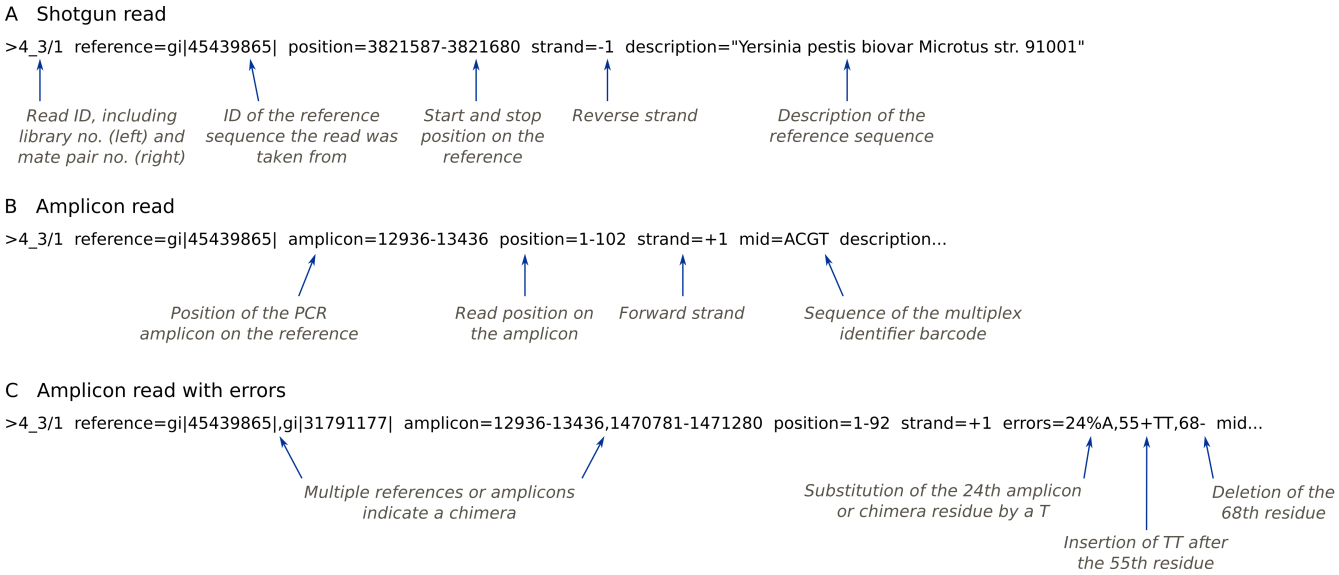
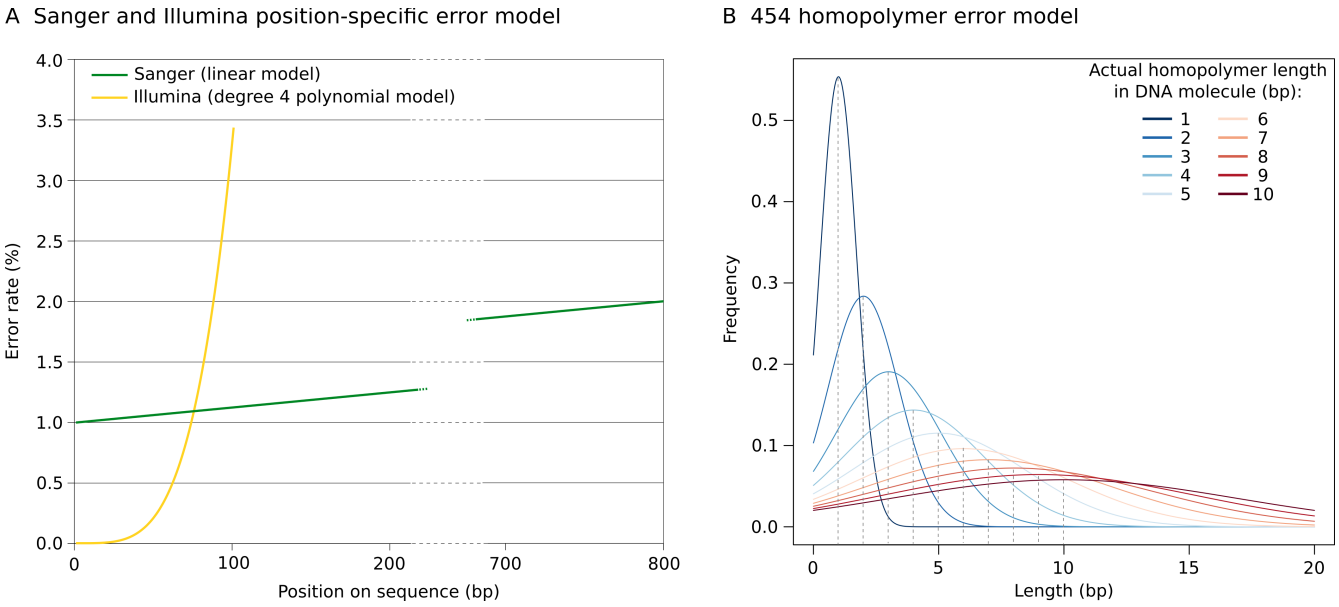
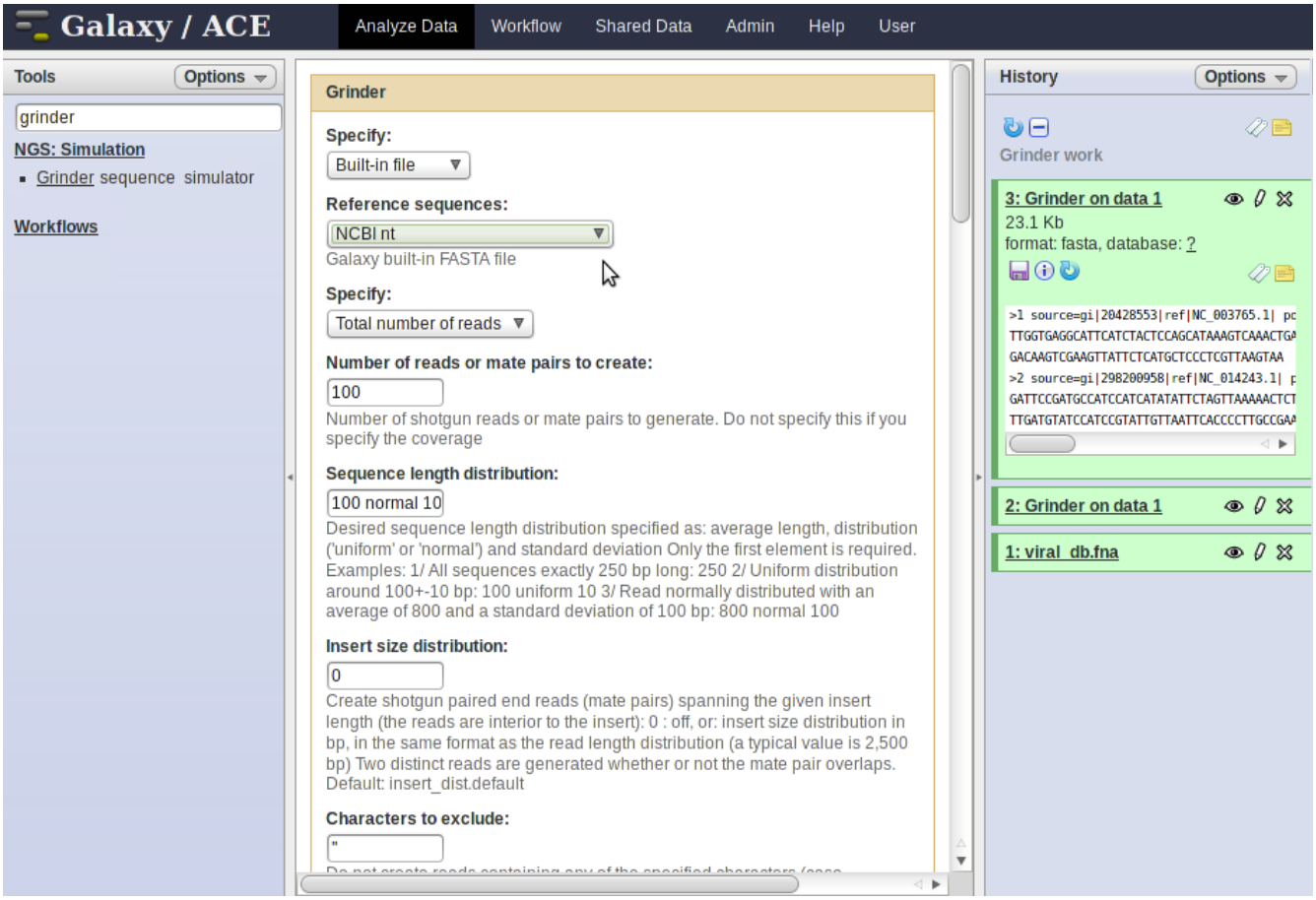
Supplementary material



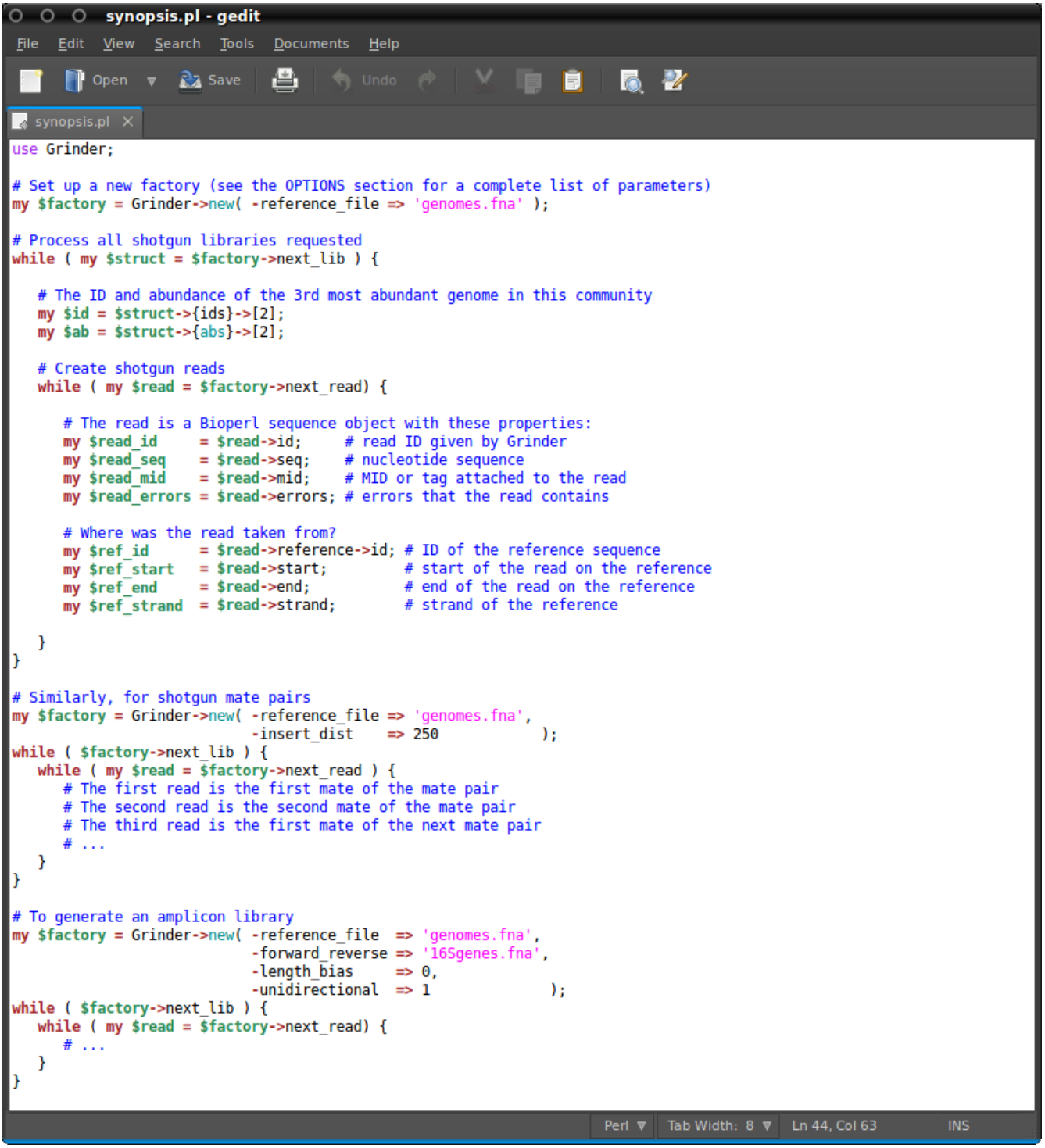
Supplementary Figure 1: Grinder read traceability. Example of the structured FASTA description for A) a simulated shotgun read, B) a simulated amplicon read, and C) a simulated chimeric amplicon read containing sequencing errors.



Supplementary Figure 2: Error models implemented in Grinder: A) Sanger and Illumina position-specific model, B) 454 homopolymer error model.



Supplementary Figure 3: Screenshot of the Grinder Galaxy GUI



Supplementary Figure 4: Overview of the methods provided by the Grinder object-oriented API.

Supplementary Dataset 1: Twelve 16S rRNA amplicon libraries simulated using Grinder (ten with homopolymer errors and two without).